A TEAM IN PURSUIT OF EXCELLENCE

Dr. GHUMAN AND GUPTA GEOTECH CONSULTANTS LLP
SOIL AND BUILDING MATERIAL TESTING LABORATORY
Test House Established by :
Dr. M. S. Ghuman, Ph.D (Geotechnical Engg.) Roorkee

TC-5045

LABORATORY DIVISION & ADMINISTRATIVE OFFICE
F-81, Phase-VII, Industrial Focal Point, Mohali (Pb)-160055
Phones : 0172-4666081, 99888-88945
E-mail : gggc_laboratory@yahoo.co.in
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TEST REPORT

ULR : TC504526000003710F

Report No.	GGTC5045-26-3710	**Report Date**	**24/08/2026**
Letter Ref. No.	NIL	**Dated**	**07/08/2026**
Name of Customer	POLO MAL MECHANO BRICKS SAS NAGAR,Sangatpura,Sangatpura,SAS Nagar PUNJAB		
TYPE OF BRICK	HAND MOULDED KILN BURNT PBT 12.5 CLASS I BRICKS (230X110X75MM)		
Description of Sample	Bricks		
Period of Testing	07/08/2026 To 24/08/2026		
Name of Agency	-		
Make	PBT (1st CLASS)		
Sample Qty	15 NOS.		
Mode of Sample of Receipt	Sample Supplied by the Customer	Discipline	Mechanical
Date of Sample Received	07/08/2026	Group	Building Material

RESULTS

Sr. No.	Test Parameters	Unit	Observed Value	Specified Requirement As per IS 1077:1992	Test Method
1	Compressive Strength	N/mm²			IS 3495(Pt-1):2019
	Specimen 1	N/mm²	17.3		IS 3495(Pt-1):2019
	Specimen 2	N/mm²	15.5		IS 3495(Pt-1):2019
	Specimen 3	N/mm²	18.5		IS 3495(Pt-1):2019
	Specimen 4	N/mm²	13.6		IS 3495(Pt-1):2019
	Specimen 5	N/mm²	16.3		IS 3495(Pt-1):2019
	Average Compressive Strength	N/mm²	16.2	Average compressive strength shall not be less than 7.5 for class 7.5 and shall not be less than 10 N/mm² for class 10.	IS 3495(Pt-1):2019
2	Water Absorption	%			IS 3495(Pt-2):2019
	Specimen 6	%	9.4	.	IS 3495(Pt-2):2019
	Specimen 7	%	8.7		IS 3495(Pt-2):2019
	Specimen 8	%	9.7		IS 3495(Pt-2):2019
	Specimen 9	%	10.9		IS 3495(Pt-2):2019
	Specimen 10	%	9.0		IS 3495(Pt-2):2019

Notes :
1. The results reported above are for information of the department and shall not be subjected to any court of law for any purpose.
2. The above result pertain to the particular samples supplied to our Laboratory.
3. Total Liability of our test house is limited to the invoiced amount.
4. Samples will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.

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RESULTS

Sr. No.	Test Parameters	Unit	Observed Value	Specified Requirement As per IS 1077:1992	Test Method
	Average Water Absorption	%	9.5	Shall not be more than 20 % by weight up to class 12.5 and 15% by weight for higher classes.	IS 3495(Pt-2):2019
3	Effloresence	Qualitative		Shall not be more than 'Moderate' up to class 12.5 and 'Slight' for higher classes.	IS 3495(Pt-3): 2019
	Specimen 11	Qualitative	Nil		IS 3495(Pt-3): 2019
	Specimen 12	Qualitative	Nil		IS 3495(Pt-3): 2019
	Specimen 13	Qualitative	Nil		IS 3495(Pt-3): 2019
	Specimen 14	Qualitative	Nil		IS 3495(Pt-3): 2019
	Specimen 15	Qualitative	Nil		IS 3495(Pt-3): 2019

The submitted sample of bricks conforms to Class 10.0 (10.0 N/mm²) of IS:1077-1992 specifications w.r.t. above

End of Report

Reviewed By
Dr. Gaurav Gupta (T.Mgr.)

Authorized Signatory
Er. Rajiv Kumar Gupta (CEO)

Dr. Ghuman & Gupta Geotech Consultants LLP
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Indl. Area
Phase-VII
Mohali
(Punjab)

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